## Abstract of JP11175900

PROBLEM TO BE SOLVED: To provide a computer system capable of easily and effectively designing airspace for entrance, departure, etc., to/from an airport.
SOLUTION: Facilities information 21 like the airport, a runway, navigation assisting facilities, etc., airspace information 23 like a control area, etc., route information 25 like an airline, etc., obstacle information 29 and topographical information 32 like an altitude, etc., are stored in a database 3. When specification of an aviation system and various original values of design is inputted from a user, information required for the design is acquired from the database, a protective airspace is automatically designed by using intrinsic design technique to the specified aviation system and a top view and a sectional view of the designed protective airspace are outputted on a display by an aviation system designing part 55. The top view of the designed protective airspace is also printed on a map with a plotter 11. Information on the designed protective airspace, other airspace like the control area, topography, etc., is acquired from the database and an elevation view formed by superposing them or the top view is displayed on the display by a superposition display part 57. Upon displaying the airspace and the topography by a bird's-eye view, an animation to fly an aircraft according to a preset aviation scenario is displayed on the bird's-eye view by a practice aviation display part 59.